**FORMATIVE ASSESSMENT 2 (SOURCE CODE)**

**(Main Window)**

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Navigation;

using System.Windows.Shapes;

namespace StockManagement

{

/// <summary>

/// Interaction logic for MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

string category, productName, costPrice, sellingPrice, quantity, barcode;

private void BarcodeButton\_Click(object sender, RoutedEventArgs e)

{

barcodeGen();

}

public void barcodeGen()

{

string numbers = "0123456789";

int len = numbers.Length;

string codeMiko2 = string.Empty;

int codeMiko3 = 5;

string CodeMiko;

int getMiko;

for ( int C = 0; C < codeMiko3; C++)

{

do

{

getMiko = new Random().Next(0, len);

CodeMiko = numbers.ToCharArray()[getMiko].ToString();

}

while (codeMiko2.IndexOf(CodeMiko) != -1);

codeMiko2 += CodeMiko;

}

Barcode.Text = (codeMiko2);

}

public MainWindow()

{

InitializeComponent();

}

private void SaveButton\_Click(object sender, RoutedEventArgs e)

{

category = combo.Text;

productName = ProductName.Text;

costPrice = CostPrice.Text;

sellingPrice = SellingPrice.Text;

quantity = Quantity.Text;

barcode = Barcode.Text;

string connectionString = "Data Source=BS-PARZIVAL;Initial Catalog=StockSystemdb;Integrated Security=True";

string query = "INSERT INTO dbo.DAF(ProductCategory, ProductName, CostPrice, SellingPrice, Quantity, Barcode)"

+ "VALUES('" + category +"', '" + productName +"','" + costPrice +"','" + sellingPrice + "','" + quantity +"','" + barcode +"')";

SqlConnection connection = new SqlConnection(connectionString);

SqlCommand command = new SqlCommand(query, connection);

connection.Open();

int results = command.ExecuteNonQuery();

if (results > 0)

{

MessageBox.Show("Your Product Has Been Saved Successfully, Yayyyyy!!!");

}

connection.Close();

}

private void PLButton\_Click(object sender, RoutedEventArgs e)

{

ListProduct listProduct = new ListProduct();

listProduct.Show();

this.Close();

}

}

}

**(ListProducts)**

using Microsoft.Build.Tasks.Deployment.Bootstrapper;

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace StockManagement

{

/// <summary>

/// Interaction logic for ListProduct.xaml

/// </summary>

public partial class ListProduct : Window

{

public ListProduct()

{

InitializeComponent();

LoadTheGrid();

}

SqlConnection connecto = new SqlConnection("Data Source=BS-PARZIVAL;Initial Catalog=StockSystemdb;Integrated Security=True");

public void LoadTheGrid()

{

SqlCommand command = new SqlCommand("SELECT \* FROM dbo.DAF", connecto);

DataTable dataTable = new DataTable();

connecto.Open();

SqlDataReader reader = command.ExecuteReader();

dataTable.Load(reader);

connecto.Close();

DataGr.ItemsSource = dataTable.DefaultView;

}

private void DelButt\_Click(object sender, RoutedEventArgs e)

{

connecto.Open();

SqlCommand command = new SqlCommand("DELETE FROM dbo.DAF WHERE Barcode = " + Barcode2.Text,connecto);

try

{

command.ExecuteNonQuery();

MessageBox.Show("Your Item Successfully Deleted", "Deleted Item", MessageBoxButton.OK, MessageBoxImage.Information);

connecto.Close();

Barcode2.Clear();

}

catch (SqlException ex)

{

MessageBox.Show("Your Item Is Yet To Be Deleted. Try Again." + ex.Message);

}

finally

{

connecto.Close();

}

}

private void UpButt\_Click(object sender, RoutedEventArgs e)

{

Update updateKun = new Update();

updateKun.BarcodeXX.Text = Barcode2.Text;

updateKun.Show();

}

private void RefButt\_Click(object sender, RoutedEventArgs e)

{

LoadTheGrid();

}

}

}

**(Update/Edit)**

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace StockManagement

{

/// <summary>

/// Interaction logic for Update.xaml

/// </summary>

public partial class Update : Window

{

public Update()

{

InitializeComponent();

}

private void SaveButton\_Click(object sender, RoutedEventArgs e)

{

string category = combo.Text;

string productName = ProductName.Text;

string costPrice = CostPrice.Text;

string sellingPrice = SellingPrice.Text;

string quantity = Quantity.Text;

string barcode = BarcodeXX.Text;

SqlConnection Haiyaa = new SqlConnection("Data Source=BS-PARZIVAL;Initial Catalog=StockSystemdb;Integrated Security=True");

Haiyaa.Open();

SqlCommand Baka = new SqlCommand ("UPDATE DAF SET ProductCategory = '" + category + "', ProductName = '" + productName + "', CostPrice = '" + costPrice + "', SellingPrice = '" + sellingPrice + "', Quantity = '" + quantity + "', Barcode = '" + barcode + "'WHERE Barcode = '" + barcode + "'", Haiyaa);

try

{

Baka.ExecuteNonQuery();

MessageBox.Show("Update Completed Successfully", "Updates", MessageBoxButton.OK);

}

catch (Exception ex)

{

MessageBox.Show("Update Was Unsuccessful. Try Again.");

}

finally

{

Haiyaa.Close();

this.Close();

}

}

}

}